

Confidential

(Yes or No)

AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form

I

COMPANY INFORMATION

Company Name

THE STICKY GLUE CO.

Contact Person

JOE SMITH

Division Name (s)

AEROSOL DIVISION

Phone Number

(818) 123-4567

Fax Number

(818) 123-4000

E-mail

jsmith@stickyglue.com

Address

Address

1998 AA SURVEY STREET
LOS ANGELES, CA 91342

Co. Website

www.stickyglue.com

RESPONSIBLE PARTY

(YES or NO)

YES

(If no, stop here, and submit this form to ARB)

SIC CODES

2891

5169

5199

NATIONWIDE EMPLOYEES

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CONTRACT EMPLOYEES (USA)

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CALIFORNIA EMPLOYEES

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

CONTRACT EMPLOYEES (CA)

(0) None

(1) 1 to 10

(2) 11 to 100

(3) 101 to 250

(4) 251 to 500

(5) More than 500

INDEPENDENT OWNERSHIP

Is your company independently owned (Yes/No)?

YES

If No, provide parent company information below.

Parent Company Name

Parent Company Address

GROSS ANNUAL RECEIPTS

(1) Less than \$250,000

(2) Between \$250,000 to \$1 million

(3) Between \$1 million and \$10 million

(4) Between \$10 million and \$100 million

(5) More than \$100 million

FORMULATION DATA

Are you forwarding the formulation data for one or more of your products to another company for completion (Yes or No)?

If Yes, please complete Form II: Formulator Information (next page).

YES

CERTIFICATION

"I hereby certify that, to the best of my knowledge and belief, all information entered on the Company Information Form, Formulator Information Form, Product Sales Form, Product Ingredient Form, and Research and Development Forms is complete and accurate."

Name: JOE SMITH

Title: SENIOR SPECIALIST, REGULATORY AFFAIRS

Signature:

Joe Smith

Date Signed:

4/15/1999

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential
(Yes or No)

☐

AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY
FORMULATOR INFORMATION

Form
SAMPLE II

If you have completed Form III: Product Sales for which you do not have the formulation data, please provide the company name, address and contact person's name and phone number in the spaces below.

RESPONSIBLE PARTY NAME

THE STICKY GLUE CO.

Form IV-B: Product Ingredients
Sheet Number(s)

1, 2, 3

Formulator Name

FOUR SEASONS CHEMICAL CO.

Address

1999 SOUTH SUBMITTAL LANE
LOS ANGELES, CA 91340

Contact
Name

Phone
Number

Form IV-B: Product Ingredients
Sheet Number(s)

Formulator Name

Address

Contact
Name

Phone
Number

Form IV-B: Product Ingredients
Sheet Number(s)

Formulator Name

Address

Contact
Name

Phone
Number

Form IV-B: Product Ingredients
Sheet Number(s)

Formulator Name

Address

Contact
Name

Phone
Number

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential

AIR RESOURCES BOARD 1998 AEROSOL ADHESIVES SURVEY

SAMPLE III

Form

(Yes or No)

PRODUCT SALES

Sheet # 1 of 10

RESPONSIBLE PARTY AND PRODUCT NAME

Responsible Party Name

THE STICKY GLUE CO.

Formulator Name (If different than Responsible Party Name)

FOUR SEASONS CHEMICAL CO.

Full Product Name

ALL PURPOSE SPRAY ADHESIVE 101

SALES REPORTING OPTIONS

Option 1: Total CA Sales in Pounds

Option 2: Product Size Distribution Table

	Size	CA Units Sold
#1	12	4,000
#2		
#3		
#4		
#5		
#6		

Size Units

Wt. Oz.

Fluid Oz.

(if fluid Oz, list one below)

Density, lb/Gal

Density, g/ml

Specific Gravity

X

0.8

PRODUCT CATEGORY

Type of Spray:

Lace

☐

Particle

☒

Type of Application:

Mounting

☐

High Performance

☐

Other, please list

☐

Repositionable

☐

General Purpose

☒

Substrate (Check all that applies):

Ceramic

☐

High Pressure Laminate

☐

Styrofoam®

☐

Expanded Polystyrene Foam

☒

Leather

☒

Vinyl

☒

Fabric

☒

Metal

☐

Wood

☒

Fiberglass

☐

Paper

☒

Other, please list

☐

Glass

☒

Rubber

☒

PRODUCT INGREDIENTS

Do you have all of the ingredient information for this product (Yes or No)?

NO

If YES **complete Form IV-A: Product Ingredients entirely**, Or if the product was reported in the ARB's "1997 Consumer and Commercial Products Survey," dated February 28, 1998, please **submit copies of product formulation data and complete the LVP-VOC section on Form IV-A**,

If NO, **send Form IV-B: Product Ingredients** to your formulator.

FOR ARB USE ONLY:

Company File Number

Product Number

Confidential

(Yes or No)

AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Sheet # _____ of _____

Form

IV-A

PRODUCT INGREDIENTS

RESPONSIBLE PARTY AND PRODUCT NAME

Responsible Party Name

Full Product Name

INGREDIENT INFORMATION

VOC SPECIATION TABLE

	Ingredient Name	CAS #	Wt. %
#1			
#2			
#3			
#4			
#5			
#6			
#7			
#8			
#9			
#10			
Total VOC ingredients each less than 0.1% by wt. of the product			

EXEMPT AND INORGANIC
COMPOUNDS

	Wt. %
Methyl Acetate	
Parachlorobenzotrifluoride	
Methylene Chloride	
1,1,1-Trichloroethane	
Volatile Methyl siloxanes	
Acetone	
Carbon Dioxide	
HFC-152a	
Water	
Perchloroethylene	
All Other Exempt Compds	
All Other Inorganic Compds	

(A) Total VOC Content

(B) Total Exempt/Inorganic

LVP-VOC SOLVENT SPECIATION TABLE

	Ingredient Name	Trade Name	CAS #	Wt. %
#1				
#2				
#3				
#4				
#5				
#6				
#7				
Total LVP-VOC solvents each less than 0.1% by wt. of the product				

(C) Total LVP-VOC Solvents

(D) Total Other LVP-VOC Content

Wt. %

Total of A, B, C and D (MUST EQUAL 100 %)

FOR ARB USE ONLY:

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Product Number

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AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form
IV-B

(Yes or No)

YES

PRODUCT INGREDIENTS Sheet # 1 of 10

RESPONSIBLE PARTY AND PRODUCT NAME

Responsible Party Name

THE STICKY GLUE CO.

Full Product Name

ALL PURPOSE SPRAY ADHESIVES 101

FORMULATOR COMPANY DATA

Formulator Company Name/Address

FOUR SEASONS CHEMICAL CO.

1999 SOUTH SUBMITTAL LANE
LOS ANGELES, CA 91340

Contact Person

ALBERT E. SEASONS

Phone/Fax
Numbers

(818) 987-6543

(818) 987-6000

E-mail
Address

aseasons@seasonschem.com

INGREDIENT INFORMATION

VOC SPECIATION TABLE

	Ingredient Name	CAS #	Wt. %
#1	DIMETHYL ETHER	115106	20.5
#2	PROPANE	74986	10.6
#3	ISOBUTANE	75285	24.9
#4			
#5			
#6			
#7			
#8			
#9			
#10			
Total VOC ingredients each less than 0.1% by wt. of the product			0.0

EXEMPT AND INORGANIC
COMPOUNDS

	Wt. %
Methyl Acetate	
Parachlorobenzotrifluoride	
Methylene Chloride	
1,1,1-Trichloroethane	
Volatile Methyl siloxanes	
Acetone	15.5
Carbon Dioxide	
HFC-152a	
Water	
Perchloroethylene	
All Other Exempt Compds	
All Other Inorganic Compds	

(A) Total VOC Content 56

(B) Total Exempt/Inorganic 15.5

LVP-VOC SOLVENT SPECIATION TABLE

	Ingredient Name	Trade Name	CAS #	Wt. %
#1	SPECIALTY ALKYLATE 7050	SPECIALTY ALKYLATE 7050	94094-93-6	5.0
#2	VISTA 47 SOLVENT	VISTA 47 SOLVENT	64742-47-8	5.1
#3				
#4				
#5				
#6				
#7				
Total LVP-VOC Solvents each less than 0.1% by wt. of the product				0.0

(C) Total LVP-VOC Solvents 10.1

(D) Total Other LVP-VOC Content

Wt. %
18.4

Total of A, B, C and D (MUST EQUAL 100 %)

100

FOR ARB USE ONLY:

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(Yes or No)

YES

AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form

R&D
Part 1

RESEARCH OVERVIEW

Sheet # ____ of ____

COMPANY NAME

THE STICKY GLUE CO.

Research and Development Efforts Update

Please provide an overview of your research and development efforts, successes and failures, undertaken to achieve **VOC levels less than 75 percent by weight**. Your description should include the raw materials (solvents, propellants, resins, and polymers) and hardware (valves, actuators, cans) tested, the testing protocols used, and the results of the testing.

[Note: This is an example. The "... " placeholders represent areas where further explanation is expected.]

We have been researching the following technologies: (1) water-based technology, and (2) substituting VOC solvents with acetone and HFC-152a.

(1) Water-based technology:

The major ingredients are: water, XX1 propellants, YY1 polymers, ZZ1 resins and antioxidants. All materials are readily available either inhouse or through our supplier. These formulations require special processing which is beyond our capability at this time.

We have conducted comparison tests to match product attributes with our existing general purpose spray adhesives. We evaluated such parameters as: flammability, adhesion strength on various substrates, dry time, spray patterns, ... We did not use standard test methods. Descriptions of laboratory/field testing performed are attached.

There is potential with this technology. We expect to reformulate products down to 5%. However, drawbacks include slower dry time, poor performance on paper, ... Despite the drawbacks, this technology is promising and we will continue with our research (OR, The potential for this technology is limited due to the following factors...

(2) Reformulating with acetone

... ..

(3) Reformulating with HFC-152a

... ..

FOR ARB USE ONLY:

Company File Number

Product Number

**AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY**

SAMPLE

Form
R&D
Part 2

Confidential
(Yes or No)

YES

RESEARCH AND DEVELOPMENT RESULTS

COMPANY NAME

THE STICKY GLUE CO.

Research and Development Results

Please indicate by checking the appropriate boxes which technologies you have tested:

Technology	Tested	Not Tested
Water-based	X	
Acetone	X	
Parachlorobenzotrifluoride		X
Methyl Acetate		X
Volatile Methyl Siloxanes		X
Other Exempt Solvents Tested, please list:		
HFC-152a Propellant	X	
Carbon Dioxide Propellant		X
Other Propellants Tested, please list:		
Increasing Solids Content		X
Low Solvent Resin Technology		X
Hardware		X
Other Tested, please list:		

Please fill out **Form R&D_Part 3** for technologies that you have tested. For technologies not tested, please indicate on **Form R&D_Part 4** the reasons you have not explored these technologies. If the reason is economic, please include your estimate of the incremental cost of manufacturing using this technology.

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Product Number

Confidential
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YES

AIR RESOURCES BOARD
1998 AEROSOL ADHESIVES SURVEY

SAMPLE

Form

R&D
Part 3

TECHNOLOGY TESTED

Sheet # 1 of 3

COMPANY NAME

THE STICKY GLUE CO.

Technology Description:

Water-based with XX1 Propellants, YY1 polymers, ZZ1 resins, and antioxidants.

[Note: This is an example. R&D Part 3 sheets should also be filled out for acetone and HFC-152a. The "... " placeholders represent areas where further detail is expected.]

Type of Application:

Mounting

☐
☐

High Performance

☐
☒

Other, please list

☐

Repositionable

General Purpose

Substrate (Check all that applies):

Ceramic

☒
☒
☒
☐
☒

Expanded Polystyrene Foam

Fabric

Fiberglass

Glass

High Pressure Laminate

Leather

Metal

Paper

Rubber

☐
☒
☒
☒
☒

Styrofoam®

Vinyl

Wood

Other, please list

☐
☒
☒
☐

Technological Advantages or Shortfalls:

Advantages include lower VOC, ...

Shortfalls include freeze/thaw instability, slow drying time, ...

Potential VOC Level (alone or in combination), please specify any stipulations and timeframe:

Potential VOC level of 20 wt. % without any restrictions. At 5 wt.% VOC, expect unacceptable drying time and poor performance on paper type products. We expect to have products at 20 wt. % by January 2002.

Incremental Cost of Manufacturing:

About \$2/lb for products at 20 wt. % VOC.

FOR ARB USE ONLY:

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Product Number

AIR RESOURCES BOARD
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SAMPLE

Form

R&D
Part 4

Confidential

(Yes or No)

YES

TECHNOLOGY NOT TESTED

Sheet # 1 of 1

COMPANY NAME

THE STICKY GLUE CO.

Technology Not Tested:

Parachlorobenzotrifluoride: Incompatible with current resins used, ...

[Note: This is an example. For each untested technology, please provide the reasons why the technology was not considered. The "..." placeholders represent areas where further detail is expected.]

Technology Not Tested:

Carbon Dioxide Propellant: Difficult to maintain constant pressure in can, ...

Technology Not Tested:

Increasing Solids Content: ...

Low Solvent Resin Technology: ...

FOR ARB USE ONLY:

Company File Number

Product Number

CONFIDENTIAL INFORMATION SUBMITTAL FORM

If you wish to designate any information contained in your survey data as **CONFIDENTIAL INFORMATION**, please provide the data requested below and return it with your completed survey form.

In accordance with Title 17, California Code of Regulations (CCR), Section 91000 to 91022, and the California Public Records Act (Government Code Section 6250 et seq.), the information that a company provides to the Air Resources Board (ARB) may be released (1) to the public upon request, except trade secrets which are not emissions data or other information which is exempt from disclosure or the disclosure of which is prohibited by law, and (2) to the Federal Environmental Protection Agency (EPA), which protects trade secrets as provided in Section 114(c) of the Clean Air Act and amendments thereto (42 USC 7401 et seq.) and in federal regulation, and (3) to other public agencies provided that those agencies preserve the protections afforded information which is identified as a trade secret, or otherwise exempt from disclosure by law (Section 39660(e)).

Trade secrets as defined in Government Code Section 6254.7 are not public records and therefore will not be released to the public. However, the California Public Records Act provides that air pollution emission data are always public records, even if the data comes within the definition of trade secrets. On the other hand, the information used to calculate information is a trade secret.

If any company believes that any of the information it may provide is a trade secret or otherwise exempt from disclosure under any other provision of law, **it must identify the confidential information as such at the time of submission to the ARB and must provide the name address, and telephone number of the individual to be consulted**, if the ARB receives a request for disclosure or seeks to disclose the data claimed to be confidential. The ARB may ask the company to provide documentation of its claim of trade secret or exemption at a later date. Data identified as confidential will not be disclosed unless the ARB determines, in accordance with the above referenced regulations, that the data do not qualify for a legal exemption from disclosure. The regulations establish substantial safeguards before any such disclosure.

In accordance with the provisions of Title 17, California Code of Regulations, Section 91000 to 91022, and the California Public Records Act (Government Code Sections 6250 et seq.),

Company Name: The Sticky Glue Co. declares that all the information submitted in response to the California Air Resources Board's information request on the 1997 LVP-VOC Survey for Consumer and Commercial Products is confidential "trade secret" information, and request that it be protected as such from public disclosure. All inquiries pertaining to the confidentiality of this information should be directed to the following person:

Date: April 15, 1999

Mailing Address:

Joe Smith

(Signature)

The Sticky Glue Co.

Joe Smith

(Printed Name)

Aerosol Division

Senior Specialist, Regulatory Affairs

(Title)

1998 AA Survey Street

(818) 123-4567

(Telephone Number)

Los Angeles, CA 91342